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Model: SCS3MT080, SCS3MT100 & SCS3MT120

Cattle & Livestock Scales

User's Manual

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Features

The weigh beam kit includes: 2x Beams, Computer control box incorporating 240V charger and battery, Instruction Manual

- Weight Capacity: up to 3000 Kgs
- Beam Length: 80cm, 100cm or 120cm
- Construction: Heavy duty steel with powdercoat finishing
- IP Rating: IP65
- Cable Length: 5 meters
- Accuracy: 1 Kg increments
- Voltage: 240V or 6V internal battery
- Heavy duty design with fixing plate
- Light-weight with Convenient Carry Handles if mobility is required
- Four adjustable load cell feet
- OIML Approved Load cells
- Manual accumulation function
- Warranty: 12 Months Australian Warranty

Technical Data

WORKING TEMPERATURE：-5 to 35oC
STORAGE TEMPERATURE：-25 to 50oC
POWER: INNER 6V4.5AH RECHARGEABLE BATTERY

Button Configuration

TURN ON/ZERO KEY.

TARE KEY.

TURN OFF KEY.

SET/FIG. KEY. SET PARAMETER AND INPUT FIG.

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CHARACTER PROMPT

dc x.xx：Means the voltage of the battery is x.xx V

-----： Shows The weight over 100% FS+9e. the "ding" sound Indicates the weight is too high and should be reduced.

-bAtLo-：The battery voltage is low. Indicates you should Recharge.

c_End ：Battery recharging has finished, please unplug from power.

Err-0：Overloaded zero of loadcell, Readjust or change the loadcell.

OPERATION GUIDE

INSTALLING THE CONTROL / READ OUT BOX

IT IS DESIGNED TO BE INSERTED ONTO THE TOP OF A POLE AND FIXED BY TIGHTENING THE SCREWS. HOWEVER THE BOX CAN BE INSTALLED IN OTHER WAYS SUCH AS U-BRACKETS OR PLACING INSIDE A SEPARATE BOX. JUST AVOID PUTTING PRESSURE ON THE PLASTIC CASING OR FRONT PANEL.

CONNECTING THE WEIGHING BEAMS

AT THE END OF EACH WEIGHING BEAM IS A PLUG. CONNECT THE TWO CABLES FROM THE CONTROL BOX TO THE WEIGHING BEAMS. THE ORDER IS NOT CRITICAL. NOTE: BE VERY CAREFUL NOT TO BEND THE PINS OR DAMAGE THE PORTS.

TURN ON AND TURN OFF

① TURN ON：
PRESS <ON/ZERO> KEY，CURRENT WILL THEN BE CONNECTED FOLLOWED BY A “DING” SOUND. THE CONTROL BOX WILL THEN DISPLAY THE SOFTWARE VERSION AND VOLTAGE OF THE BATTERY (dc-x.xX). A SELF-INSPECTION WILL THEN BE PERFORMED AND COUNT DOWN FROM, 9,8,7…1,0, THE “ZERO” LAMP WILL light AND THE SCALES ARE NOW READY TO WORK.

② TURN OFF：
PRESS <OFF> KEY.

③ AUTO TURN OFF：
WHEN THE SCALES ARE IN AUTO OFF STATE THEY WILL BE TURNED OFF AFTER 10 MINUTES WHEN SCALES ARE AT ZERO WITH NO OPERATION

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④ LOW VOLTAGE OFF
WHEN THE VOLTAGE IS LOWER THAN 5.6V THE CONTROL BOX WILL AUTO TURN OFF.

ZERO

IF WITHOUT TARING THE WEIGHT DISPLAYED is +/- 4% MAX. CAPACITY，PRESS <ON /ZERO>，THE DISPLA WILL THEN BE ZEROED " 0" AND THE "ZERO" LAMP LIGHT WILL COME ON.

WEIGHING

PLACING WEIGHT ONTO THE WEIGH BEAMS WILL NOW GIVE A READING.

TARE WEIGHING

FIRST PUT A CONTAINER ONTO THE WEIGHT BEAMS, SUCH AS LIVESTOCK LOADING CRUSH, PALLET, HOPPER ETC, PRESS <TARE > AND THE SCALES WILL BE TARED TO SHOW 0，"ZERO" THE LAMP WILL COME ON. PERFORM THE REVERSE IF REMOVING THE CONTAINER OR LOADING CRUSH TO RETURN TO THE NORMAL STATE.

POWER SAVING FUNCTION

IF THE SCALES READ 0 FOR 40 SECONDS THE CONTROL BOX WILL GO INTO AUTO POWER SAVE MODE. WHEN A WEIGHT IS PLACED ONTO THE SCALES IT WILL RESTART.

BATTERY INDICATOR

IF THE BATTERY LAMP IS "HIGH" THIS MEANS THE VOLTAGE IS HIGHER THAN 6.3V, "MID" MEANS A VOLTAGE BETWEEN 6V AND 6.3V, "LOW" MEANS A VOLTAGE LOWER THAN 6V AND POWER WILL SOON BE EXHAUSTED.

CHARGE

THE CONTROL BOX IS POWERED BY AN INTERNAL RECHARGEABLE LEAD ACID BATTERY (6V / 4.5AH). ONCE THE READING SHOWS "-BATLO-" YOU WILL ONLY HAVE A SHORT TIME LEFT. AT THIS POINT YOU SHOULD CHARGE THE CONTROL BOX. IT IS RECOMMENDED THAT THE BATTERY BE CHARGED FOR A FULL 12 HOURS TO MAXIMISE BATTERY LIFE. THE CONTROL BOX DOES NOT NEED TO BE TURNED ON WHILST CHARGING.

SETTING AND ADJUSTING PARAMETERS

PRESS <SET/0~9> FOR 3 SECONDS，ENTER SET AND IT WILL SHOW THE MAIN MENU，PRESS <SET/0~9> CONTINUOUSLY AND IT DISPLAYS：

rAngE (SET LIMIT)

UnItS (CHOOSE UNIT)

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OFF（CHOOSE AUTO POWER OFF）

FILt (SET DISPLAY MODE)

ZEro (SET AUTO ZERO)

bUZZEr (SET BUZZLE)

d (CHOOSE DIVISION)

rAngE (SETS UPPER AND LOW LIMITS OF THE SCALE)

WHEN IT SHOWS RANGE PRESS <TARE> ENTER TO SET LIMIT，PRESS <SET/0~9> TO CHOOSE ON OR OFF, ON IS THE START LIMIT FUNCTION，OFF IS THE EXIT LIMIT FUNCTION, PRESS <TARE> TO CONFIRM.

WHEN CHOOSING ON PRESS <TARE>，NOW ENTER THE SET LIMIT AND THE “UNDER” LAMP WILL BE LIT, MAX FIGURE IS BLINKING，PRESS<SET/0~9> ONCE TO ADD 1，PRESS <TARE> TO CONFIRM，WHEN FINISHING AUTO EXIT.
WHEN LOW LIMIT > HIGH LIMIT, IT DISPLAYS OFF, THEN EXIT.

ALARMING INDICATES: M IS THE WEIGHT
WHEN M≥HIGH LIMIT, “OVER” LAMP IS LIGHTING AND FLICKERING.
WHEN LOW LIMIT M<HIGH LIMIT, “ACCEPT” LAMP IS LIT BUT NOT FLICKERING.
WHEN M≤LOW LIMIT, “UNDER” LAMP IS LIT.

CAUTION：WHEN THE DISPLAY IS NOT STABILE NO LAMP LIGHTS ARE LIT.

UNITS (CHOOSE UNT)

WHEN IT DISPAYS UnItS，PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHANGE，PRESS <TARE> TO CONFIRM. UNITS：H9(KG)、PcS（COUNTING）、Lb.Lb(DECIMAL POUNDS)

COUNTING：WHEN IT DISPLAYS “PCS”, PRESS<TARE>. NOW “PCS” LAMP IS LIT.
FOR SEVERAL SECONDS PRESS<ON/ZERO> AND IT DISPLAYS COUNT AND RETURN TO 0. THEN PUT THE SAMPLE ON THE SCALE (AS MUCH AS POSSIBLE, BUT NOT MORE THAN MAX.CAPACITY), AFTER IT'S STABLE, PRESS<TARE>. PRESS <SET/0~9> TO ADD 1 AND PRESS <TARE> TO CHOOSE. AFTER FINISHING IT DISPLAY PCS AND PCS LAMP LIT.
EXIT COUNTING: CHOOSE A UNIT.
CAUTION: PICK QUANTITIES OF LESS THAN 3000,

A-oFF（CHOOSE AUTO POWER OFF)

WHEN IT DISPLAYS A-OFF，PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHOOSE N OR Y.

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N IS NOT IN AUTO POWER OFF SITUATION. Y IS AUTO OFF AFTER 10 MINUTES OF INACTIVITY.

FILT (SET DISPLAY MODE)

WHEN IT DISPLAYS FILT，PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHOOSE FILT-1 OR FILT-2 OR FILT-3 OR FILT-4，PRESS <TARE>TO CONFIRM.
FILT-1：WHEN ADDING WEIGHT TO THE SCALES IT WILL SHOW THE VALUE WHEN STABLE.
FILT-2：WHEN ADDING WEIGHT TO THE SCALES IT WILL SHOW THE VALUE SLOWLY.
FILT-3：WHEN ADDING WEIGHT TO THE SCALES, IT WILL SHOW THE VALUE FAST.（RECOMMENDED）
FILT-4：WHEN ADDING WEIGHT TO THE SCALES, IT WILL SHOW THE READING AT THE FASTEST RATE.

ZERO (SET AUTO ZERO)

WHEN IT DISPLAYS ZERO，PRESS <TARE>TO ENTER，IT WILL DISPLAY ZERO X.X (X.X IS AUTO ZERO RANGE： 0.5D,1D,1.5D,2D,2.5D,3D,3.5D,4D,4.5D AND 5D, D IS DIVISION VALUE WHEN N=3000)，PRESS <SET/0~9> TO CHOOSE，PRESS <TARE> TO CONFIRM AND RETURN TO WEIGHING.

BUZZER (SET BUZZER)

WHEN IT DISPLAYS BUZZER，PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHOOSE ON OR OFF, ON IS USING “DING…” SOUND IN UPPER AND LOWER LIMIT SITUATIONS，OFF IS WITHOUT “DING…” SOUND.

D (CHOOSE DIVISION)

WHEN IT DISPLAYS D，PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHOOSE THE DIVISION，PRESS <TARE> TO CONFIRM，THERE ARE THREE DIVISIONS FOR EACH CAPACITY. WHEN YOU CHOOSE THE SMALLEST DIVISION THE SPEED OF THE DISPLAY WILL BE A LITTLE SLOWER.

CHANGE BRIGHTNESS

WHEN POWER IS ON PRESS <ON/ZERO> FOR A LONG TIME AND IT WILL DIPLAY LC-， PRESS <SET/0~9> TO CHOOSE THE BRIGHTNESS, LU-1，LU-2， LU-1 IS POWER SAVE MODE, PRESS <TARE> TO CONFIRM.

NOTES

PLEASE READ THE INSTRUCTION MANUAL BEFORE USE
PLEASE CALIBRATE THE SCALES REGULARLY FOR ACCURATE READINGS.
DO NOT OVERLOAD THE SCALES OR RAPIDLY ADD LARGE AMOUNTS OF WEIGHT.
DON’T NOT OPEN THE CONTROL BOX OR BATTERY INSIDE
KEEP THE SCALES CLEAN, PARTICULARLY THE PORTS WHERE THE CONTROL BOX PLUGS INTO THE SCALE BEAMS

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DO NOT OPEN THE CONTROL BOX AS THIS WILL VOID WARRANTY.

FOR SEALED LEAD ACID BATTERY

THE WORKING TEMPERATURE OF THE BATTERY IS -10oc TO 40oC.
BATTERY CAN BE CIRCLE CHARGED APPROXIMATELY 300 TIMES AT 20oC.

CALIBRATION（SW INDICATOR）

1．PUSH THE ADJUST KEY TO SWITCH ON，PRESS <ON/ZERO> TO TURN ON，AFTER SELF-INSPECTION IT WILL COME TO WEIGHING MODE AND ZERO.
2．THE SAME TIME PRESS <SET/0~9> AND <ON/ZERO> 3 SECONDS，IT SHOWS THE LAST CAPACITY，PRESS <SET/0~9> CHOOSE C-30，C-60，C-150，C-300，C-600，C-1500，C-3000，C-6000（C IS CAPACITY，UNIT IS KG) FOR EXAMPLE, FOR THE 3000KG SCALES SELECT C-3000.
3．PRESS <TARE> TO CONFIRM;
4．NOW DISPLAY THE INTERNAL NUMBER 0，IF IT IS NOT 0, PRESS <ON/ZERO> TO ZERO
5．PLACE A KNOWN WEIGHT ONTO THE WEIGH BEAMS AFTER THE INTERNAL NUMBER IS STABLE， PRESS <TARE> TO INPUT THE VALUE OF THE WEIGHT, PRESS <SET/0~9> TO ADD 1，PRESS <TARE> TO INPUT THE NEXT VALUE. IN THE END IT WILL SHOW CAEND AND EXIT CALLIBRATION. PLEASE NOTE THE POSITION OF THE DECIMAL PLACE.
6．IF IT DISPLAYS ERR03，IT MEANS THERE IS A CALIBRATION FAULT POSSIBLY DUE TO THE WEIGHTS BEING TOO SMALL OR A WRONG INPUT VALUE.

DEFAULT SETTINGS AFTER CALIBRATION:

RANGE (SET LIMIT)：OFF
UNITS (CHOOSE UNIT)： KG
A-OFF（CHOOSE AUTO POWER OFF）：WIHTOUT AUTO OFF
FILT (SET DISPLAY MODE)：3
ZERO (SET AUTO ZERO)：1E
BUZZER (SET BUZZLE): WITHOUT “DING” SOUND
D (CHOOSE DIVISION)：3000 DIVISION VALUE
LE BRIGHTNESS：LU-1

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